

ASSIGNMENT 4

Textbook Assignment: "Target Detection and Weapons Control," chapter 10, "Alignment," chapter 11, "Maintenance," chapter 12, and "Administration and Training," chapter 13, pages 10-1 through 13-39.

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| <p>4-1. The uses of high-speed computers, data display consoles, and communication links to collect, analyze, and correlate sensor data to obtain a clear picture of a tactical situation is known as what type of system?</p> <ol style="list-style-type: none">1. GFCS2. NTDS3. UBFC4. WACS | <p>4-6. A missile fire control computer continuously updates the solution for target intercept during a missile firing. These actions occur during what part of intercept operations?</p> <ol style="list-style-type: none">1. The terminal phase of missile flight2. The attempt to fire3. The target intercept point4. The midcourse phase of missile flight |
| <p>4-2. The use of raw sensor data in a weapon system is normally reserved for what type of weapons system mode?</p> <ol style="list-style-type: none">1. Casualty2. Identification3. Search4. Track | <p>4-7. During a WDS tracking exercise, what component provides target bearing and elevation data?</p> <ol style="list-style-type: none">1. Director2. Gyroscope3. Radar4. Stable element |
| <p>4-3. Which of the following short-range radar sets is valuable in detecting modern low-flying antiship missiles?</p> <ol style="list-style-type: none">1. AN/SPY-12. AN/SPS-483. AN/SPS-494. AN/SPS-65 | <p>4-8. Which of the following terms identifies the science of a projectile in motion?</p> <ol style="list-style-type: none">1. Ballistics2. Drift3. Gravity4. Parallax |
| <p>4-4. Which of the following radar sets is capable of long-range air target detection but does not provide target elevation information?</p> <ol style="list-style-type: none">1. AN/SPY-12. AN/SPS-483. AN/SPS-494. AN/SPS-65 | <p>4-9. Which of the following is the primary search and track radar for an AEGIS-equipped ship?</p> <ol style="list-style-type: none">1. AN/SPS-482. AN/SPS-493. AN/SPS-654. AN/SPY-1 |
| <p>4-5. What type of function is the passive side of the total electronic warfare capability of a ship?</p> <ol style="list-style-type: none">1. ASCM2. ECCM3. ESM4. IFF | <p>4-10. The FCS on an AEGIS-equipped ship consists of four AN/SPG-62A radar sets capable of illuminating multiple targets simultaneously.</p> <ol style="list-style-type: none">1. True2. False |
| | <p>4-11. Which of the following operability tests provides a tool to make rapid assessments of ship readiness?</p> <ol style="list-style-type: none">1. DSOT2. OCSOT3. TRAM4. STAR CHECKS |

- 4-12. Which of the following Mk and Mod numbers make up the two major subassemblies of a guided missile training round?
1. Mk 6 Mods 1 or 2 and Mk 92 Mod 2
 2. Mk 74 Mod 13 and Mk 59 Mod 3
 3. Mk 59 Mod 3 and Mk 63 Mods 5 or 6
 4. Mk 59 Mod 3 and Mk 56 Mod 1
- 4-13. In a combat system alignment process, which of the following is the first major alignment step to be accomplished?
1. Establishment of reference points
 2. Establishment of parallelism
 3. Establishment of bench mark and tram reference readings
 4. Establishment of reference planes
- 4-14. The master reference plane is a plane within the ship parallel to the ship base plane. What is the purpose of the master reference plane?
1. To establish the train zero alignment of all combat systems equipment.
 2. To establish the roller path plane of all combat systems equipment.
 3. To act as the machining reference to establish the foundation of the combat system equipment.
 4. To offset center-line reference marks of the combat systems equipment.
- 4-15. Bench marks are installed aboard ships that require the use of which of the following equipment?
1. Alignment telescope
 2. Breech bar boresight
 3. Decoy boresight
 4. Star gage
- 4-16. What alignment check(s) is/are normally conducted using a certified shore tower facility?
1. Bench mark
 2. Radar collimation
 3. Tram
 4. Train and elevation
- 4-17. Elevation tram readings are taken with the gun mount trained to how many degrees from the bearing of the high point?
1. 50
 2. 80
 3. 90
 4. 180
- 4-18. Which of the following publications contain further information on combat systems alignment procedures?
1. SW850-A6-MMO-010 and NAVSEA 4160/1
 2. SG420-CD-MMM-010 and NAVSEA OP 3392
 3. SW360-AC-MMO-010 and SW300-BO-ORD-010
 4. SW225-AO-MMA-010/OP762 and SW225-XX-CSA-010
- 4-19. In naval ordnance, it is necessary to have a reference direction from which to measure angles. What is the most frequently used reference direction?
1. A fore-and-aft line pointing in the direction of the ship's stern
 2. A fore-and-aft line pointing in the direction of the ship's bow
 3. A port-and-starboard line perpendicular to the reference plane
 4. A port-and-starboard line parallel to the reference plane
- 4-20. In what report aboard ship would you find the alignment data for the gun mounts and missile launchers?
1. Ship armament installation list
 2. Master ordnance configuration file
 3. Combat systems smooth log
 4. SECAS ordnance list
- 4-21. Before any alignment work is undertaken afloat, you should first perform which of the following checks?
1. DSOT
 2. OCSOT
 3. Parallelism
 4. Transmission
- 4-22. Firing cutout mechanisms are designed to interfere with the free movement of the gun mount or launcher.
1. True
 2. False

- 4-23. What activity provides firing cutout data and cutout cams for the gun mounts on a specific ship?
1. MOTU
 2. NAVSEACEN
 3. NSWC
 4. TYCOM
- 4-24. Firing cutout cams and limit-stop cams should be checked periodically and reset only if they are not within how many degrees of actual mount settings?
1. $\pm 1^\circ$
 2. $\pm 5^\circ$
 3. $\pm 10^\circ$
 4. $\pm 15^\circ$
- 4-25. When aligning combat systems equipment in automatic control for antiaircraft operations, you should use air targets having an elevation angle near how many degrees?
1. 25°
 2. 45°
 3. 90°
 4. 120°
- 4-26. The primary objective of preventive maintenance is to provide what action?
1. Standardized procedures for corrective maintenance
 2. Major repair procedures to ensure maximum equipment operation
 3. Regular lubrication, inspection, and cleaning of equipment
 4. Parts for equipment repair
- 4-27. What PMS documentation provides a step-by-step guide for performing a specific maintenance action?
1. EGL
 2. LOEP
 3. MIP
 4. MRC
- 4-28. In addition to preventive maintenance, you should be intimately familiar with which of the following programs or publications?
1. MDs
 2. NAVMAT
 3. MSOD data bank
 4. System maintenance manuals
- 4-29. The Department Head is responsible for preparing which of the following maintenance schedules?
1. Weekly
 2. Monthly
 3. Cycle
 4. Quarterly
- 4-30. Procedures for preparation of PMS schedules are described in which of the following publications?
1. MIL-P-24534
 2. NAVSEAINST 4570.1
 3. OPNAVINST 3120.32
 4. OPNAVINST 4790.4
- 4-31. During a ship's regular overhaul (ROH), what document defines and authorizes work to be done?
1. IMMS
 2. PMP
 3. SARP/IWP
 4. 4790.2K
- 4-32. What document must be submitted by the Type Commander approximately 12 months in advance of a ship's ROH?
1. CSMP
 2. IMA
 3. IMAVS
 4. SPCC
- 4-33. Work discovered during a POT&I and designated for IMA accomplishment should be documented on what OPNAV Form?
1. 4790/2K
 2. 4790/2L
 3. 4790/2Q
 4. 4790/7B
- 4-34. Which of the following is NOT a commanding officer's responsibility in advance planning for a ship's overhaul?
1. Work of ship's force
 2. Training of ship's personnel during overhaul
 3. Security of the ship's spaces
 4. The home port of the ship
- 4-35. Which of the following is the greatest continuous hazard to ship's undergoing overhaul?
1. Fire
 2. Flooding
 3. Sabotage
 4. Theft

- 4-36. Instead of regular overhauls, what maintenance program uses depot level maintenance performed onboard ship?
1. CMP
 2. IEM
 3. PMP
 4. SOAP
- 4-37. Which of the following manuals provide information on ILO PMS procedures?
1. NAVSEA OP 3000
 2. SL105-AA-PRO-040
 3. SW394-AF-MMO-050
 4. SW810-AG-MMI-010
- 4-38. When the new quarterly schedule for a ROH is made out, what indication is used to show equipment that the contractors are responsible for?
1. Red-colored vertical lines
 2. MIP scheduled in green
 3. A "YD" with an arrow-tipped line on the MIP line
 4. A II or III by the equipment status code
- 4-39. A W-2(M) written on a quarterly schedule during ROH specifies which of the following maintenance requirements?
1. Accomplish twice weekly
 2. Accomplish twice monthly
 3. Accomplish weekly
 4. Accomplish monthly
- 4-40. Viscosity is expressed in what units?
1. S.S.U.
 2. S.A.E.
 3. T.A.B.
 4. V.I.
- 4-41. Information on the MIL specifications for 17111 transmission fluid is found in what publication?
1. NAVSEA OD 3000
 2. NAVSEA OP 4
 3. NAVWEPS OP 3000
 4. SL105-AA-PRO-040
- 4-42. Many oils used by the Navy are identified by a four-digit number followed by the letters MS. What class of oil is indicated by the number 2135MS?
1. Class 1
 2. Class 2
 3. Class 3
 4. Class 5
- 4-43. After using a substitute lubricant, what procedure should be accomplished when you receive the prescribed lubricant?
1. Wait until the first ROH to remove the substitute lubricant
 2. It is not necessary to remove the substitute lubricant
 3. Remove the substitute as soon as the prescribed lubricant is available
 4. Contact a MOTU technician
- 4-44. Detailed information for the removal of preservatives from ordnance equipment is contained in what publication?
1. OP 3565
 2. OP 3347
 3. OD 3000
 4. OP 1208
- 4-45. What is the purpose of the projectile seating gauge (PSD) used in all 5"/54 gun barrels?
1. To estimate the velocity losses
 2. To locate a constriction
 3. To keep dirt and salt water out of the barrel
 4. To check gun mount alignment
- 4-46. What ordnance publication lists current Army field manuals and technical manuals used by the Navy?
1. OP 0
 2. OP 5
 3. OP 3851
 4. OP 4545
- 4-47. Which of the following documents identifies material discrepancy trends for your equipment?
1. CAIMS
 2. CDBF
 3. CSMP
 4. OPNAV 4790/2K
- 4-48. OPNAV 5070/11 is used for what purpose aboard ship?
1. To request technical manuals
 2. To review configuration of and field changes in technical manuals
 3. To maintain a master inventory of technical library publications
 4. To maintain a test equipment inventory

- 4-49. What reference provides a list of technical manuals that apply to your ship or shore station?
1. NAVSUP 2002
 2. PAL
 3. TMINs
 4. TMMP
- 4-50. Which of the following is NOT a system test for a Combat Systems Readiness Review?
1. Surface missile and gun mounts
 2. Damage control
 3. Electronic warfare
 4. NTDS
- 4-51. Detailed guidelines for procedures used with a CSRR are obtained from which of the following instructions?
1. AOINST 5213.2
 2. COMNAVSURFLANTINST 9093.1
 3. NAVSEAINST 5214.1
 4. OPNAVINST 5214.1
- 4-52. In CASREP reporting, a "casualty" is defined as an equipment malfunction that cannot be corrected within what amount of time?
1. 12 hours
 2. 24 hours
 3. 48 hours
 4. 72 hours
- 4-53. In a initial CASREP message, what information is required in the RMKS set if outside assistance is requested?
1. Inadequate preventive maintenance on affected equipment
 2. Changes reported in error
 3. The report of a corrected casualty
 4. Scheduling information for a full 30-day period
- 4-54. What publication provides specific guidelines for CASREP reporting?
1. NAVEDTRA 43100-5
 2. NWP-10-1-10
 3. OPNAVINST C3501.66
 4. OPNAVINST 5520.1
- 4-55. A deficiency exists in mission essential equipment which causes a major degradation but not the loss of a primary mission. This deficiency is classified as what type of casualty?
1. Category 1
 2. Category 2
 3. Category 3
 4. Category 4
- 4-56. Which of the following files contains the data elements required for the worldwide management of the Navy's expendable conventional ammunition?
1. CAIMS
 2. CSMP
 3. NRS
 4. SPCC
- 4-57. Ordnance management cognizant symbol 8T identifies what type of non-nuclear ammunition?
1. Air launched guided missiles
 2. SUBROC
 3. Sonobuoys
 4. Surface launched guided missiles
- 4-58. What instruction provides policy, procedural, and responsibility guidelines for supply management of conventional ordnance?
1. CINCLANTFLTINST 8010.4
 2. COMNAVLOGPACINST 8015.1
 3. OPNAVINST 5214.1C
 4. SPCCINST P8010.12
- 4-59. What report should be submitted for any action that affects the on-hand quantity of conventional ammunition?
1. Ammunition transaction report
 2. NAVGRAM
 3. NAVSUP 1250
 4. NAVSUP 1348
- 4-60. Insofar as possible, ATRs must be submitted within what total number of hours following an ammunition transaction?
1. 12
 2. 24
 3. 48
 4. 72

- 4-61. An ATR message report consists of seven paragraphs. What information is provided in paragraph 6?
1. Report serial number
 2. UIC of the reporting activity
 3. Quantity of material involved in the transaction
 4. Explanatory data
- 4-62. Serial/lot item tracking is required for what type of ordnance?
1. Air/surface launch missiles and boosters
 2. Demolition charges
 3. Projectiles
 4. Small-arms ammunition
- 4-63. An oscilloscope is classified as what type of test equipment?
1. Electrical
 2. Mechanical
 3. General-purpose electronic
 4. Special-purpose electronic
- 4-64. What agency is responsible for the technical coordination of the Navy calibration program?
1. Field Calibration Activity
 2. Field Calibration Laboratory
 3. National Bureau of Standards
 4. Metrology Engineering Center
- 4-65. The MEASURE program is an automated data processing system designed to provide
1. procedures and intervals for all laboratory standards and test/measuring equipment
 2. a standardized system for recalling and scheduling test equipment into calibration facilities
 3. information for command training programs
 4. a training syllabus for special equipment
- 4-66. Many MEASURE formats are forwarded automatically by MOCC or CDBF. Which of the following formats is distributed monthly?
1. Format 215 unmatched listing
 2. Format 310 test equipment inventory
 3. Format 802 blank METER cards
 4. Format 802 replenishment preprinted METER cards
- 4-67. What publication is commonly called the "MEASURE User's Manual"?
1. OPNAV 43P6A
 2. OPNAVINST 3120.32
 3. NAVSEAINST 8020.4
 4. NAVSUP 2000
- 4-68. What calibration label is used for equipment that requires in-place calibration?
1. CALIBRATED
 2. CALIBRATED-REFER TO REPORT
 3. INACTIVE
 4. SPECIAL CALIBRATION
- 4-69. What calibration label is used for equipment that requires calibration before, during, and after each use?
1. CALIBRATED
 2. CALIBRATED-REFER TO REPORT
 3. CALIBRATION NOT REQUIRED
 4. USER CALIBRATION
- 4-70. For test/measuring instrument shown as NCR on the Metrology Requirement List, what type of calibration label is required?
1. CALIBRATION NOT REQUIRED
 2. CALIBRATION VOID IF SEAL BROKEN
 3. INACTIVE
 4. REJECTED
- 4-71. Which of the following instructions is the controlling guide for safeguarding classified information?
1. OPNAVINST 5510.1
 2. OPNAVINST 5214.1
 3. NAVSEAINST 8810.3
 4. NAVSEAINST 8810.2
- 4-72. What type of informal training is used to make personnel aware of routine knowledge and skills used daily within the Navy environment?
1. Assist visits
 2. GNT
 3. OJT
 4. PQS
- 4-73. What is the governing publication for implementing the Planning Board for Training programs?
1. BUPERINST 2100.5
 2. NAVEDTRA 43100-5
 3. NAVSEAINST 8020.4
 4. OPNAVINST 3120.32

4-74. When establishing a shipboard training plan, you must take into account the ship's schedule and any shipboard evolutions.

1. True
2. false

4-75. Which of the following forms is required to be maintained as part of the Division Officer's notebook?

1. OPNAV Form 3120/2
2. OPNAV Form 3120/1A
3. OPNAV Form 1500-31
4. NAVPERS 1070/6